

Abstract of the Disclosure

A photographic recording element comprising a support bearing at least one radiation-sensitive silver halide emulsion layer comprising silver halide grains containing greater than 50 mole percent chloride, based on silver, and

- 5 having greater than 50 percent of their surface area provided by {100} crystal faces, wherein (i) a first fraction which comprises from 10-90 wt% of the silver halide grains consists of grains which have a central portion which contains at least 10^{-7} mole of a hexacoordination metal complex which satisfies formula (I) per mole of silver and less than 10^{-10} mole of a hexacoordination metal complex
- 10 which satisfies formula (II) per mole of silver, and (ii) a second fraction which comprises from 10-90 wt% of the silver halide grains consists of grains which have a central portion which contains at least 10^{-10} mole of a hexacoordination metal complex which satisfies the formula (II) per mole of silver and less than 10^{-7} mole of a hexacoordination metal complex which satisfies the formula (I) per
- 15 mole of silver:



wherein n is zero, -1, -2, -3 or -4; M is a filled frontier orbital polyvalent metal ion, other than iridium; and L_6 represents bridging ligands which can be independently selected, provided that at least four of the ligands are anionic

- 20 ligands, and at least one of the ligands is a cyano ligand or a ligand more electronegative than a cyano ligand;



wherein T is Os or Ru; E_4 represents bridging ligands which can be independently selected; E' is E or NZ; r is zero, -1, -2 or -3; and Z is oxygen or sulfur.